

Claims

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1. A surgical ultrasonic instrument comprising
a housing (10) which has an ultrasonic transducer (12),
a shaft (16) connected to the housing (10) and having an application
arrangement provided at its distal end,
with the application arrangement having a working element (18, 18',
18") driven by the ultrasonic transducer (12) in an oscillating man-
ner in the axial direction of the shaft and a working element (20,
20', 20") with a fixed position in the axial direction, with
the fixed position working element (20, 20', 20") being immovably
connected to the shaft (16), and
the fixed position working element (18, 20; 18") and the driven
working element (20', 18", 20") forming a working space (F) between
them which tapers in the proximal direction and which serves for
the reception of body tissue in order to coagulate it and/or to cut it.
2. An instrument in accordance with claim 1, characterized in that the
fixed position working element (20, 20', 20") is part of a protective
sleeve (24).
- 25 3. An instrument in accordance with claim 1, characterized in that the
movable working element (18, 18', 18") emerges from an end face
opening provided in the fixed position working element (20, 20', 20").

4. An instrument in accordance with claim 1, characterized in that the fixed position working element (20, 20', 20") has an end face (28, 28', 28") extending obliquely to the axial direction and/or has an end face (28, 28") which is planar overall.
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5. An instrument in accordance with claim 1, characterized in that the fixed position working element (20, 20', 20") and the movable working element (18, 18', 18") are substantially of the same length at the distal end in the axial direction.
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6. An instrument in accordance with claim 1, characterized in that the fixed position working element (20') has an end face (28) which is at least partly curved and/or has an end face (28) which has differently inclined and/or curved sections (a, b, c) relative to the longitudinal axis of the instrument.
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7. An instrument in accordance with claim 1, characterized in that the fixed position working element (20, 20', 20") tapers laterally in comparison with the shaft (24).
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8. An instrument in accordance with claim 1, characterized in that the movable working element (18, 18') is rotationally symmetrical.
- 25 9. An instrument in accordance with claim 1, characterized in that the movable working element (18) tapers conically in the distal direction.

10. An instrument in accordance with claim 1, characterized in that a working element (18") is adjustable about its longitudinal axis relative to the other working element (20") and has at least two differently designed working surfaces; and/or in that the movable working element (18, 18', 18") and the fixed position working element (20, 20', 20") are releasably connected to one another.

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